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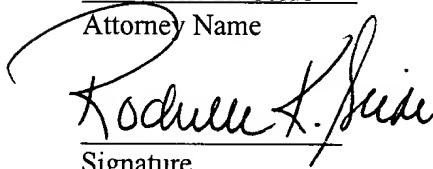
A33795 066031.0138

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ben-Jacob et al.  
Serial No. : 09/724,436 Examiner: TBA  
Filed : November 28, 2000 Group Art Unit: 2811  
For : METHOD OF TREATMENT OF CANCER AND INFECTIOUS  
DISEASE AND COMPOSITIONS USEFUL IN SAME

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

I hereby certify that this paper is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on August 16, 2001.

Rochelle K. Seide  
Attorney Name  
  
Rochelle K. Seide  
Signature  
32,300  
Registration No.  
August 16, 2001  
Date of Signature

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Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In accordance with 37 C.F.R. § 1.56, Applicants respectfully request that the references relating to the above-mentioned application filed concurrently herewith listed herein be made of record in the U.S. Patent and Trademark Office. Please note that the Information Disclosure Statement was filed February 28, 2001.

Applicant has provided a copy of the English language abstract of the foreign language reference of Iwamatsu Seiichi.

1. Porath et al. 2000, *Direct measurement of electrical transport through DNA molecules*. Nature 403:635-638.
2. International Application No. PCT/IL98/00329 by Technion Research and Development Foundation Ltd., Braun et al, inventor, published January 28, 1999 as WO 99/04440A1.
3. International Application No. PCT/US99/11126 by Connolly, D., published November 25, 1999 as WO 99/60165A1.
4. Aich et al. 1999, *M-DNA: A Complex between Divalent Metal Ions and DNA which behaves as a Molecular Wire*. J. Mol. Bio. 294:477-485.
5. Ben-Jacob et al. 1999, *DNA Transistor and quantum bit element: Realization of nano-biomolecular logical devices*. Physics Letters A 263:199-202.
6. Seeman, NC. 1999, *DNA Engineering and its Application to Nanotechnology*. Trends Biotechnol. 17:437-43.
7. Ben-Jacob et al. DNA-Nanoelectronics:Realization of a Single Electron Tunneling Transistor and a Quantum Bit Element. Abstract for presentation at the Sixth Foresight Conference on Molecular Nanotechnology. Nov 12-15 1998.

8. Hermon et al. 1998, *Prediction of charge and dipole solitons in DNA molecules based on the behavior of phosphate bridges as tunnel elements.* Europhys. Lett 43:482-487.
9. European Patent Application No. 96304946.5 by IBM, Enami et al, inventors, published January 22, 1997 as EP0755044A1.
10. Japanese Patent Application No. JP19870266888, by Seiko Epson Corp, Iwamatsu Seiichi, inventor, published April 26, 1989 as JP1108780.

Identification of the above-listed references is not to be construed as an admission of the Applicant or the attorneys of the Applicant that such references are available as “prior art” against the subject application.

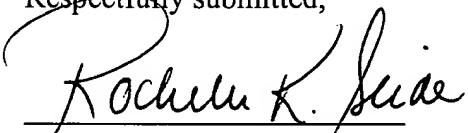
Applicant respectfully requests that the Examiner review the foregoing references and that the references be made of record in the file history of the above-mentioned application. Copies of these documents are enclosed.



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Please charge any additional fees or credit any overpayment to Deposit  
Account No. 02-4377. A duplicate of this sheet is enclosed.

Respectfully submitted,

A handwritten signature in black ink that reads "Rockelle K. Seide". The signature is written in cursive and is underlined.

Ronald B. Hildreth  
Patent Office Reg. No. 19,498

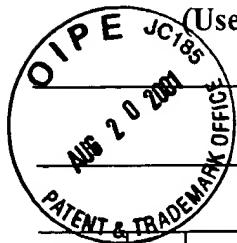
Rockelle K. Seide  
Patent Office Reg. No. 32,300

Attorneys for Applicant  
(212) 408-2500

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**INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT**

(Use several sheets if necessary)



Applicant  
Ben-Jacob et al.

Filing Date  
November 28, 2000

Group-Art Unit  
1631

**U.S. PATENT DOCUMENTS**

| *Exam.<br>Init. | Document No. |  |  |  |  |  |  |  | Date | Name | Class | Subclass | Filing Date<br>ifAppropriate |
|-----------------|--------------|--|--|--|--|--|--|--|------|------|-------|----------|------------------------------|
|                 |              |  |  |  |  |  |  |  |      |      |       |          |                              |

**FOREIGN PATENT DOCUMENT**

|    |  | Document No. |   |   |   |   |   |   |          | Date                          | Country | Class | SubClass | Translation<br>Yes No |
|----|--|--------------|---|---|---|---|---|---|----------|-------------------------------|---------|-------|----------|-----------------------|
| AM |  | 9            | 9 | 0 | 4 | 4 | 4 | 0 | 1/28/99  | WIPO                          |         |       |          |                       |
| AM |  | 9            | 9 | 6 | 0 | 1 | 6 | 5 | 11/25/99 | WIPO                          |         |       |          |                       |
| AM |  | 0            | 7 | 5 | 5 | 0 | 4 | 4 | 1/22/97  | Europe                        |         |       |          |                       |
| AM |  | 1            | 1 | 0 | 8 | 7 | 8 | 0 | 4/26/89  | Japan (English abstract only) |         |       |          |                       |

**OTHER DOCUMENTS (including Author, Title Date, Pertinent Pages, Etc.)**

|    |  |  |
|----|--|--|
| AM |  | Porath et al. 2000, <i>Direct measurement of electrical transport through DNA molecules</i> . Nature 403:635-638.  |
| AM |  | Aich et al. 1999, <i>M-DNA: A Complex between Divalent Metal Ions and DNA which behaves as a Molecular Wire</i> . J. Mol. Bio. 294:477-485.  |
| AM |  | Ben-Jacob et al. 1999, <i>DNA Transistor and quantum bit element: Realization of nano-biomolecular logical devices</i> . Physics Letters A 263:199-202.  |
| AM |  | Seeman, NC. 1999, <i>DNA Engineering and its Application to Nanotechnology</i> . Trends Biotechnol. 17:437-43.   |
| AM |  | Ben-Jacob et al. DNA-Nanoelectronics:Realization of a Single Electron Tunneling Transistor and a Quantum Bit Element. Abstract for presentation at the Sixth Foresight Conference on Molecular Nanotechnology. Nov 12-15 1998. |
| AM |  | Hermon et al. 1998, <i>Prediction of charge and dipole solitons in DNA molecules based on the behavior of phosphate bridges as tunnel elements</i> . Europhys. Lett 43:482-487.  |

NY02:341912.1

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Examiner

*André Marzal*

Date Considered

*7-25-03*

\* Examiner: Initial citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

|                                   |  |                            |   |             |
|-----------------------------------|--|----------------------------|---|-------------|
| <b>Notice of References Cited</b> |  | Application/Control No.    | Applicant(s)/Patent Under Reexamination<br>BEN-JACOB ET AL. |             |
|                                   |  | Examiner<br>Ardin Marschel | Art Unit<br>1631  | Page 1 of 1 |

**U.S. PATENT DOCUMENTS**

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|   | A | US-,468,785                                      | 10-2002         | Wang et al. | 435/287.2      |
|   | B | US-  |                 |             |                |
|   | C | US-  |                 |             |                |
|   | D | US-  |                 |             |                |
|   | E | US-  |                 |             |                |
|   | F | US-  |                 |             |                |
|   | G | US-  |                 |             |                |
|   | H | US-  |                 |             |                |
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**FOREIGN PATENT DOCUMENTS**

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**NON-PATENT DOCUMENTS**

|   |   |   |
|---|---|---|
| * |   | Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages) |
|   | U |   |
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\*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)  
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.